

#5. California Coast.

D^r. 4383 to D^r. 4408.

Hy. 4797 to Hy. 4803.

Mar. 18th to Apr. 9th, 1904.

No. 5

Dr 4383.

Sy 4797.

next 44 - 4799

3850-162

2-59-09

$$\begin{array}{r}
 88 \\
 \hline
 2000 - 1000 = 1000 \\
 1000 - 1000 = 0 \\
 0000 - 0000 = 0000 \\
 0000 - 0000 = 0000 \\
 0000 - 0000 = 0000
 \end{array}$$

4112

262

3850

2069 124
50 2

2030 126

2075 127

2100 128

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4383 Date March 18, 1904
 Sigbee Machine. Reel. (326 (w))
 Turns 264 Cor. + 23 Depth 287 fms
 Shot or lead 35 lbs
 Bottom gn M
 Bottom temperature see third interm soundg
 No. of thermometer Cor.
 Corrected temperature 173° N
 Air 68° Surface 68° Drift 7/10'
 Trawl or dredge 10' Blake with sinker and two glass floats

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.10.00	3 16.00	0	3.11.00	50.00
11.00	15.00	100	14.00	3 46.30
12.00	14.10	200	16.50	3 43.30
Interm. Sdgs		300	18.00	40.00
3.18.00	gn M	400	19.45	3 36.30
3.21.00	326 fms	475	3 22.30	3 32.30
3.35		600	Time 10 m.	
3.34 + 29	363	700		
3.40		800		
3.43.00	364 + 31 395	900	Surface Net	
Therm 98.24/2		1000	over at 3.22,	
Temperature 41.5°		1100	in at 3.34,	
Bottom gn M.		1200	time out 12 m	
End of 4383		1300	Vertical Net	
		1400	down at 3.36	
		1500	to 100 fms,	
		1600	in at 3.40	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Net came up
 down at the end and
 tail end wrapped over
 the trawl frame.
 Bottom sinker lost
 few specimens
 adhering to meshes
 of trawl

North Pt., North Coronado Id. S 79° E, 2 3/10

		2500	
Course W	(apt)	2600	CS #5100.
Bar. 30.14"		2700	
Therm. at surface		2800	62°
Wind N W force		2900	1-2
Smooth Sea		3000	
Fair & pleasant, to forecast		3100	
		3200	
		3300	
4112	185	3400	
264	162	3500	
3848	23	3600	
	264	3700	
	287	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

D. 4384.

Date

21 Mar. 04.

Sigsbee Machine.

Reel.

Turns

77

Cor. +

8

Depth

184 fms.

Shot or lead

35 lbs.

Bottom

gy. S. R.

OK
J.C.P.
3

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

(N 88° W.,

Air

62

Surface

60

Drift

15/10'

Trawl or dredge

8 Tangles.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.29.30 7.31.15

0

9.32.30 10.32.00

28.35 26.10

100

9.39.40 10.26.00

7.28.40 9.24.50

124

200

9.56.00

300

about 3 min

9.34.00 139 fms.

400

(clamps did not

38.00 173 "

500

trawl for about

42.30 189 "

600

10 min)

47.00 183 "

700

51.30 168 "

800

55.00 164 "

900

10.00.00 153 "

1000

05.30 139 "

1100

09.00 123 "

1200

12.00 108 "

1300

15.00 95 "

1400

18.00 88 "

1500

20.00 84 "

1600

22.20 85 "

1700

25.00 85 "

1800

27.40 85 "

1900

30.00 86 "

2000

33.00 86 "

2100

36.00 86 "

2200

39.00 86 "

2300

42.00 86 "

2400

H. 4797 =

Surf. 76.0:

10.06 10.16

20 min

Pt. Loma Light. N 68° E, 7 7/10'

		2500	
		2600	
		2700	
		2800	
Course:		2900	
Fair & pleasant.		3000	Remains at
Gentle breeze from		3100	Sty. N. W. S.
Bar.		3200	and under 15
Therm. at.		3300	observed below.
Gentle breeze.		3400	
few sea birds.		3500	
		3600	
4112	185	3700	
77	177	3800	
4035	77	3900	
	85	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Pt. Loma Light, N 71° E, 8 6/10'

REMARKS:

No.

Date

21 Mar.

Machine.

Reel.

Turns 81 Cor. + 8

Depth 89 fms

Shot or lead 35 lb

Bottom

crs s R

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 60

Surface 60

Drift

(S 15° E
1 2/10')

Trawl or dredge

8 fms

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

93

Hy. 4798

Hy. 4791

Hy. 4802

St. Louis Light, N 70° E, 9 3/10' ✓			
20.00	2100	2500	
89		2600	Hy. 4801 ✓
		2700	St. Louis Light,
		2800	N 53° E, 8 1/10' ✓
7		2900	Hy. 4802 ✓
		3000	St. Louis Light,
		3100	N 51° E, 8 7/10' ✓
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900	St. Louis Light, N 57° E, 9 3/10' ✓			
1000				

REMARKS:

St. Louis Light, N 57° E, 9' ✓

St. Louis Light, N 50° E, 8 7/10' ✓

No. *Dr 4386* Date *Mar. 21 1881*
 Machine. *Tanner* Reel. *1*
 Turns *900* Cor. + *30* Depth *1,013*
 Shot or lead *35 lbs*
 Bottom *fine sand & shells*
 Bottom temperature
 No. of thermometer *not used* Cor.
 Corrected temperature
 Air *60* Surface *50* Drift *5.0'*
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
06 30		0		
07 15		100		
08 00		200		
08 45		300		
09 30		400		
10 15		500		
11 00		600		
11 45		700		
12 30		800		
13 15		900		
14 00		1000		
14 45		1100		
15 30		1200		
16 15		1300		
17 00		1400		
17 45		1500		
18 30		1600		
19 15		1700		
20 00		1800		
20 45		1900		
21 30		2000		
22 15		2100		
23 00		2200		
23 45		2300		
24 30		2400		

1169
980
189

32° 30' 30" N, 118° 05' 10" W.

Depth of Surface Cast

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Therm. at 62°

Wind. W. for

Long. Small from

Trim & pleasant

down to 700 fms

down to 700 fms

down to 700 fms

down to 700 fms

SERIAL TEMPERATURES.

5.17

5.17

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
50	78.41	58.0		24.2
100	78.246	58.3°		24.2
200	78.242	49.6°		24.1
300	78.244	50.5°		25.0
400		43.4°		25.0
500				
600				
700				
800				
900				
1000	98245	37.0		24.8

REMARKS:

This station continued on next page.

No.

41206

cont.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

57

Surface

57

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

15 500

15 600

15 700

15 800

15 900

15 1000

15 1100

15 1200

15 1300

15 1400

15 1500

15 1600

15 1700

15 1800

15 1900

15 2000

15 2100

15 2200

15 2300

15 2400

Sample taken

at 1000 fms

Sounding

6.25 - 6.45

6.45 - 7.05

7.05 - 7.25

7.25 - 7.45

7.45 - 7.65

7.65 - 7.85

7.85 - 8.05

8.05 - 8.25

8.25 - 8.45

8.45 - 8.65

8.65 - 8.85

8.85 - 9.05

9.05 - 9.25

9.25 - 9.45

9.45 - 9.65

9.65 - 9.85

9.85 - 10.05

10.05 - 10.25

10.25 - 10.45

10.45 - 10.65

10.65 - 10.85

10.85 - 11.05

No. 21 Date July 22 1902
 Machine. Reel. 1
 Turns 117 Cor. + 22 Depth 139 fms
 Shot or lead 35 lbs
 Bottom gy. m. s. br. sh.
 Bottom temperature
 No. of thermometer 50124 Cor.
 Corrected temperature 58.5
 Air 58.5 Surface 59 Drift S 10° 7' E
 4.0'
 Trawl or dredge 10'

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.55.15	20.30	0	8.23.00	11.07.00
56.15	18.15	100	36.20	11.05.00
57.10	17.20	200	39.20	11.03.00
58.00	16.30	300	42.10	11.01.00
59.00	15.30	400	45.10	10.59.00
60.00	14.30	500	48.10	10.57.00
61.00	13.30	600	51.05	10.55.00
62.00	12.30	700	54.10	10.53.00
63.00	11.30	800	57.10	10.51.00
64.00	10.30	900	9.00.20	10.49.00
65.00	9.30	1000	10.00.20	10.47.00
66.00	8.30	1100	11.00.20	10.45.00
67.00	7.30	1200	12.00.20	10.43.00
68.00	6.30	1300	13.00.20	10.41.00
69.00	5.30	1400	14.00.20	10.39.00
70.00	4.30	1500	15.00.20	10.37.00
71.00	3.30	1600	16.00.20	10.35.00
72.00	2.30	1700	17.00.20	10.33.00
73.00	1.30	1800	18.00.20	10.31.00
74.00	0.30	1900	19.00.20	10.29.00
75.00	9.27	2000	20.00.20	10.27.00
76.00	8.27	2100	21.00.20	10.25.00
77.00	7.27	2200	22.00.20	10.23.00
78.00	6.27	2300	23.00.20	10.21.00
79.00	5.27	2400	24.00.20	10.19.00

20° 29' 40" N, 118° 04' 20" W.

* 1000	2500	2500
Course W	2600	
	2700	
	2800	30.14
	2900	
	3000	to 4.93
	3100	
	3200	
	3300	
	3400	4.2
	3500	
1160	3600	
1027	3700	
132	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	9.47			9.47
50				
100	9.56			
200				
300		100		
400				
500				
600	10.07			
700				
800				
900				
1000				

REMARKS:

D. 4389

No. *Continued* Date *Mar 24 1904*
 Machine. Reel. *Sounding*
 Turns Cor. + Depth.

Shot or lead *Small 12 lb 14 lb Lead*

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *58°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.00.00	20.00	0		
11.05.00	17.15	100		
11.09.50	11.15.00	200		
12.10	12.20	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

4387

No. Date

System Machine Reel. Sigsbee

Turns Cor. + Depth

Shot or lead 14 lb and Small Vertical Net

Bottom

Bottom temperature

No. of thermometer used Cor.

Corrected temperature

Air 58° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.38.00	12.04.40	0		
43.00	07.20	100		
47.00	12.01.30	200		
50.30	59.50	300		
54.00		400		
11.56.00	11.56.20	462	✓	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4000

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REMARKS:

1,38.20
1,42.20

D-4387

Tide noon post

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom (Crs S. M. G.)

Bottom temperature

No. of thermometer

not used

Cor.

Corrected temperature

Air

60

Surface

Drift

3.0'

Trawl or dredge

8' T

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS	DOWN.	UP.
		0	2.50.10	4.41.30
		100	53.50	38.00
		200	57.30	35.00
		300	59.00	32.00
		400	3.01.50	28.50
		500	03.50	25.40
		600	05.20	22.30
		700	08.50	19.00
		800	11.00	16.10
		900	13.00	13.10
		1000	16.00	09.50
		1100	19.00	06.30
		1200	22.30	02.30
		1300	26.20	58.30
		1400	30.00	54.30
		1500	3.00.00	50.00
		1600	17.00	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

32° 29' 30" N, 118° 25' 20" W.

	2500	
	2600	
	2700	
	2800	
	2900	
Current E 1/2 S	3000	
Wind S 1/2 E	3100	
Water 1000	3200	5.5
Current S 1/2 E	3300	S.E.
Bar 30.00	3400	
Temp. 65.4	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4388

Date

25

Sigsbee Machine. Reel.

Turns

Cor. +

Depth

Shot or lead 20 lb weight and method not at

Bottom out a few in. from as surface

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 60 Surface

Drift

V 75"

3/1

Trawl or dredge

V. M. S. S. S.

Plankton

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.20.00

9.26.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

34-20' N. 117° 57' W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Course: West.

Range from West 1

29.76

at. 67.

34.11

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. _____

Date _____

Gunner _____ Machine. _____ Reel. _____

Turns 42 Cor. + 5 Depth

Shot or lead 26 lb.

Bottom _____

Bottom temperature _____

No. of thermometer not used _____ Cor. _____

Corrected temperature _____

Air 57° Surface 57° Drift _____

Trawl or dredge _____

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3. 31. 2

32. 30

33. 30

35. 00

6. 10 40

7. 30 note

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

There being
only 37 turns
left of wire

stopped and
began again
e. v. r.

Signs here, see
next page

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4189* Date *Mar 11 1881*
Sigsbee Machine. Reel. *Sounding*
 Turns *561* Cor. + *47* Depth *608*
 Shot or lead *36 lbs*
 Bottom *gy M*
 Bottom temperature
 No. of thermometer *not used* Cor.
 Corrected temperature
 Air *57°* Surface *57°* Drift *S 32° W 18/10'*
 Trawl or dredge *3' 6"*

SOUNDING WIRE. <i>fw</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>57.40</i>	0	<i>4.11.00</i>	<i>5.00.00</i>
	<i>2.40</i>	100	<i>4.12.00</i>	<i>4.50.00</i>
		200	<i>4.13.00</i>	<i>4.40.00</i>
		300	<i>4.14.15</i>	<i>4.30.00</i>
		400	<i>4.15.10</i>	<i>4.20.00</i>
<i>4 - 2.40</i>	<i>2.40</i>	500	<i>4.16.15</i>	<i>4.10.00</i>
		600	<i>4.17.20</i>	<i>4.00.00</i>
		700	<i>4.18.30</i>	<i>3.50.00</i>
		800	<i>4.19.40</i>	<i>3.40.00</i>
		900	<i>4.20.50</i>	<i>3.30.00</i>
<i>3. 57</i>		1000	<i>4.22.00</i>	<i>3.20.00</i>
<i>76</i>		1100	<i>4.23.10</i>	<i>3.10.00</i>
		1200	<i>4.24.20</i>	<i>3.00.00</i>
		1300	<i>4.25.30</i>	<i>2.50.00</i>
		1400	<i>4.26.40</i>	<i>2.40.00</i>
		1500	<i>4.27.50</i>	<i>2.30.00</i>
		1600	<i>4.29.00</i>	<i>2.20.00</i>
		1700	<i>4.30.10</i>	<i>2.10.00</i>
		1800	<i>4.31.20</i>	<i>2.00.00</i>
		1900	<i>4.32.30</i>	<i>1.50.00</i>
<i>614 + 570</i>	<i>671</i>	2000	<i>4.33.40</i>	<i>1.40.00</i>
		2100	<i>4.34.50</i>	<i>1.30.00</i>
		2200	<i>4.36.00</i>	<i>1.20.00</i>
		2300	<i>4.37.10</i>	<i>1.10.00</i>
		2400	<i>4.38.20</i>	<i>1.00.00</i>

4, *P* *Light*, 2153° E, 11 ⁹/₁₀.

4112	185	2500
		2600
3551		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
150		50 fms more		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Continued on next page

No. *Continued* Date *Mar 24. 04*

Sigsbee Machine. Reel.

Turks Cor. + Depth

Shot or lead *20 lb*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *57* Surface *58* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>Let down 462 fms. 6.12.00.</i>		<i>9 min.</i>		
<i>was to be let down</i>		<i>500</i>		
<i>forming patches.</i>		<i>369</i>		
<i>26. fms.</i>		<i>300</i>		
<i>Let down 7.00</i>		<i>400</i>		
<i>7.00</i>		<i>500</i>		
<i>7.00</i>		<i>600</i>		
<i>Let down 7.20</i>		<i>700</i>		
<i>7.20</i>		<i>800</i>		
<i>7.26 - 7.27</i>		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
<i>Let down 7.30</i>		<i>1600</i>		
<i>7.30</i>		<i>1700</i>		
<i>6.00 sec in 10 min</i>		<i>1800</i>	<i>cloud, 7.30</i>	
<i>7.30 - 7.31</i>		<i>1900</i>	<i>up net.</i>	
<i>Let down 7.35</i>		<i>2000</i>		
<i>7.35 - 7.36</i>		<i>2100</i>	<i>cloud 7.35</i>	
<i>7.36 - 7.37</i>		<i>2200</i>	<i>up net.</i>	
<i>Let down 7.40</i>		<i>2300</i>		
<i>7.40 - 7.41</i>		<i>2400</i>	<i>cloud 7.40</i>	
<i>7.41 - 7.42</i>			<i>up net.</i>	
<i>7.42 - 7.43</i>				

112	185	2500
		2600
	Wool	2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	6.10	15	6.15	6.25
50	6.20	20	6.30	6.40
100	6.30	3	6.40	6.50
200	6.40	30	6.50	7.00
300	6.50	30	7.00	7.10
400	6.60	30	7.10	7.20
500	6.70	30	7.20	7.30
600	6.80	30	7.30	7.40
700	6.90	30	7.40	7.50
800	7.00	30	7.50	7.60
900	7.10	30	7.60	7.70
1000	7.20	30	7.70	7.80

REMARKS:

6.00 - 6.10
= 10 min.

350	16	2500	
	17	2600	
	18	2700	
20	19	2800	
30	20	2900	
40	21	3000	
50	22	3100	
60	23	3200	
70	24	3300	
80	25	3400	
90	26	3500	
100	27	3600	
110	28	3700	
120	29	3800	
130	30	3900	
140	31	4000	

Thermost

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7.41.15

45.15

45.30

51.30

54.00

54.40

57.50

8.01.10

04.50

07.40

10.30

15.30

18.20

21.00

24.10

27.10

30.30

34.00

36.30

38.40

41.30

44.50

48.10

51.15

54.00

56.30

12.03.00

59.30

56.00

54.00

51.00

47.30

44.00

41.00

38.00

34.00

30.40

27.00

22.00

16.00

10.00

04.00

58.00

52.00

46.00

40.00

34.00

28.00

22.00

16.00

10.00

33° 02' 15" N., 120° 42' 11" W.

162	2500	
205	2600	
171	2700	
205	2800	
218	2900	
Course. East.	3000	
Sound 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

- Special Net: inside with 3' mesh, inside net 2' well, all fine, including 1' mesh, frame, 2 flocks used.

Continued from page 1

Continued

No. D. 4390

Date _____

Mar 28th Oct

Machine.

Recl.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

61

Drift

P.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	continuously	
		500	8.58.30	10.04.00
		200	9.02.10	58
		300	9.05.10	52
780 atroped.		2780	7.09.00	7.46.40
at 9.09		500	time 37.40	
about		600		
		700		
		800		
		900		
		1000		10.19
all Tom Net		1100		10.29-34.30
		1200		44
		1300		
time 10m		1400		11.02
		1500		
		1600		11.23.30 11.36
		1700		
		1800		
End of		1900		
Dr 4390		2000		
		2100		
		2200		
See next		2300		
station		2400		

2 571

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		Density Temp		
30	47°	24.2	13.5	
35	49.4°	24.5	14.0	
40	43.5°	24.7	13.5	
38 300	42.3°	24.9	12.6	
10.51 400	41.0°	025.0	12.2	
500				
600	39.0°	025.1	12.2	
700				
800	37.0°	025.1	12.2	
900				
1000				

REMARKS.

Surface temperature 60° Fahrenheit

61°
62°
61°

No. *Dr 4301* / Date *Jan 18 1881*
Sigsbee Machine. Reel. *7*
 Turns *1350* Cor. + *1825* Depth *(1825) fms.*
 Shot or lead *1350 lbs.*
 Bottom *Red*
 Bottom temperature *25*
 No. of thermometer *11111* Cor.
 Corrected temperature *55.5 E.*
 Air *61* Surface *61* Drift *(4.0)*
 Trawl or dredge *3' beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Surf</i>	<i>How 746.</i>	0	<i>1. 21. 00</i>	<i>5 41. 30</i>
<i>1 1/2 min</i>	<i>4 22. 00</i>	100	<i>25. 00</i>	<i>37. 00</i>
<i>1 1/2 min</i>	<i>4 23. 00</i>	200	<i>29. 45</i>	<i>32. 30</i>
<i>1 1/2 min</i>	<i>4 24. 00</i>	300	<i>33. 20</i>	<i>29. 00</i>
<i>1 1/2 min</i>	<i>4 25. 00</i>	400	<i>36. 30</i>	<i>25. 30</i>
<i>1 1/2 min</i>	<i>4 26. 00</i>	500	<i>39. 10</i>	<i>21. 20</i>
<i>1 1/2 min</i>	<i>4 27. 00</i>	600	<i>42. 20</i>	<i>16. 50</i>
<i>1 1/2 min</i>	<i>4 28. 00</i>	700	<i>46. 30</i>	<i>12. 30</i>
<i>1 1/2 min</i>	<i>4 29. 00</i>	800	<i>49. 30</i>	<i>08. 30</i>
<i>1 1/2 min</i>	<i>4 30. 00</i>	900	<i>53. 30</i>	<i>04. 50</i>
<i>1 1/2 min</i>	<i>4 31. 00</i>	1000	<i>57. 10</i>	<i>01. 00</i>
<i>1 1/2 min</i>	<i>4 32. 00</i>	1100	<i>59. 10</i>	<i>4. 58. 30</i>
<i>1 1/2 min</i>	<i>4 33. 00</i>	1200	<i>2. 02. 45</i>	<i>55</i>
<i>1 1/2 min</i>	<i>4 34. 00</i>	1300	<i>06. 30</i>	<i>52. 00</i>
<i>1 1/2 min</i>	<i>4 35. 00</i>	1400	<i>09. 30</i>	<i>48. 30</i>
<i>1 1/2 min</i>	<i>4 36. 00</i>	1500	<i>13. 40</i>	<i>44. 00</i>
<i>1 1/2 min</i>	<i>4 37. 00</i>	1600	<i>15. 45</i>	<i>40. 30</i>
<i>1 1/2 min</i>	<i>4 38. 00</i>	1700	<i>19. 10</i>	<i>36. 10</i>
<i>1 1/2 min</i>	<i>4 39. 00</i>	1800	<i>22. 30</i>	<i>31. 40</i>
<i>1 1/2 min</i>	<i>4 40. 00</i>	1900	<i>25. 15</i>	<i>27. 10</i>
<i>1 1/2 min</i>	<i>4 41. 00</i>	2000	<i>30. 15</i>	<i>21. 50</i>
<i>1 1/2 min</i>	<i>4 42. 00</i>	2100	<i>34. 00</i>	<i>15. 30</i>
<i>1 1/2 min</i>	<i>4 43. 00</i>	2200	<i>37. 15</i>	<i>09. 15</i>
<i>1 1/2 min</i>	<i>4 44. 00</i>	2300	<i>40. 55</i>	<i>4. 03. 30</i>
<i>1 1/2 min</i>	<i>4 45. 00</i>	2400	<i>44. 10</i>	<i>57. 10</i>

(121 fms. 1350 fms, at 5)

Cont'd next page

33° 00' 15" N. 120° 30' 00" W.

	2500	2.46.30	
	2600	50.00	
	2700	53.00	
	2735	2.55.30	3.22
	2800	= 33	
	2900		
	3000	15.44.00	
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

Course, S. 81° E.
 Current, 1.5 miles per hour
 at 2.00 miles per hour
 Direction, 11°
 Force, 2.00
 Direction, 61.0
 Force, 1.0
 Direction, 11.0
 Force, 1.0
 Direction, 11.0
 Force, 1.0

V

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
75				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

Large brown mass and
 some white. Part
 of it was red and quite
 like specimens
 but of different shape

REMARKS:

Continued

No. *4397* Date *Dec 10 1891*Sigsbee Machine. Reel. *WT 1*Turns *020* Cor. + *10* Depth *645*Shot or lead *10 lb*Bottom *gy. M.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4. 23.00 4. 41.00 0

24.00 32.40 100

25.00 31.15 200

26.00 29.00 300

27.00 27.20 400

28.00 25.00 500

29.00 4. 31.10 600

30.00 29.45 700

31.00 28.15 800

32.00 26.45 900

4. 37.10 5. 01.30 1000

33.00 25.15 1100

34.00 23.45 1200

35.00 22.15 1300

36.00 20.45 1400

37.00 19.15 1500

38.00 17.45 1600

39.00 16.15 1700

40.00 14.45 1800

4. 41.54 5. 00.00 1900

41.00 13.15 2000

42.00 11.45 2100

43.00 10.15 2200

44.00 8.45 2300

45.00 7.15 2400

2950	162	2500
675	172	2600
2925	182	2700
1150	192	2800
11027.50	202	2900
110750	212	3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
0	16.2	4.25		
10	16.2	4.40		
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS:

507.

No. *Trial* Date *Mar 29*

Machine. Reel. *Nav*

Turns *498* Cor. + Depth *622*

Shot or lead *60 lbs*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *56* Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
20	25.00	300		
21	24.50	400		
22	6.25.00	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3358	122	2500	
419	122	2600	
3359	419	2700	
	122	2800	
	122	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Trial.
 No. 1100 Date Oct 27 1881
 Machine. Reel. Yankee
 Turns 15 Cor. + 10 Depth 25
 Shot or lead 60 lb
 Bottom S. M.
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 57 Surface 58 Drift —
 Trawl or dredge 5' beam trawl

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
7.49.50	8.34.05	0		
50.20	33.05	100		
51.10	32.05	200		
52.05	31.05	300		
53.00	30.05	400		
54.00	29.05	500		
55.00	28.00	600		
56.00	26.45	700		
57.00	25.55	800		
58.00	25.00	900		
59.10	24.00	1000		
8.00.15	23.00	1100		
01.20	22.00	1200		
02.25	20.50	1300		
03.35	19.40	1400		
04.40	18.25	1500		
05.50	17.00	1600		
07.05	15.30	1700		
08.20	13.50	1800		
8.09.25	8.11.40	1875 1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1075	1035	2500	
1075	1035	2600	
1075	1035	2700	
1075	1035	2800	
1075	1035	2900	
1075	1035	3000	
1075	1035	3100	
1075	1035	3200	
1075	1035	3300	
1075	1035	3400	
1075	1035	3500	
1075	1035	3600	West
1075	1035	3700	
1075	1035	3800	
1075	1035	3900	
1075	1035	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 59.3

Trilob

No. *5* Date *29*

Sigsbee Machine. Reel. *1*

Turns *1240* Cor. + *92* Depth *1332*

Shot or lead *35 lb*

Bottom *gy M, Glob S, K Sp (Dr R)*

Bottom temperature

No. of thermometer *—* Cor.

Corrected temperature *—*

Air *—* Surface *—* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.11.20</i>	<i>10.42.00</i>	0		
<i>12.45</i>	<i>41.00</i>	100		
<i>14.10</i>	<i>40.00</i>	200		
<i>15.15</i>	<i>39.00</i>	300		
<i>16.35</i>	<i>38.00</i>	400		
<i>17.40</i>	<i>37.00</i>	500		
<i>18.50</i>	<i>36.05</i>	600		
<i>20.25</i>	<i>35.05</i>	700		
<i>21.45</i>	<i>34.10</i>	800		
<i>22.50</i>	<i>33.05</i>	900		
<i>24.10</i>	<i>32.00</i>	1000		
<i>25.20</i>	<i>31.10</i>	1100		
<i>26.40</i>	<i>30.20</i>	1200		
<i>27.50</i>	<i>29.30</i>	1300		
<i>29.00</i>	<i>28.40</i>	1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

35.24	16.2	2500	
17.20	7.2	2600	
36.15	7.2	2700	
76	12.5	2800	
80.0	15.5	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	7.2			
100	11.1			
200	15.2			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or Lead

35

Bottom

Si M

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11. 11.50	11.55.20	0
12. 00	54.30	100
13. 10	52.20	200
14. 25	50.20	300
15. 40	48.20	400
16. 55	46.20	500
17. 10	44.20	600
18. 25	42.20	700
19. 40	40.20	800
20. 55	38.20	900
21. 10	36.20	1000
22. 25	34.20	1100
23. 40	32.20	1200
24. 55	30.20	1300
25. 10	28.20	1400
26. 25	26.20	1500
27. 40	24.20	1600
28. 55	22.20	1700
29. 10	20.20	1800
30. 25	18.20	1900
31. 40	16.20	2000
32. 55	14.20	2100
33. 10	12.20	2200
34. 25	10.20	2300
35. 40	8.20	2400

16.6	16.2	2500	
16.7	5.1	2600	
21.6	11.1	2700	
16.6	16.2	2800	
17.2	17.2	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	16.5			
200	16.5			
300	17.2			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine

Reel

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

P.M. SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

TURNS.

DOWN.

UP.

1. 02. 30	1. 56. 50	0	2. 41. 30	28. 40
03. 40	6. 00	100	4. 00	4. 00
05. 00	5. 10	200	54. 00	19. 10
06. 05	4. 15	300	58. 00	14. 00
07. 10	53. 20	400	3. 01. 20	4. 04. 30
8. 20	2. 20	500	4. 00	51. 10
9. 25	1. 30	600	7. 05	50. 30
10. 35	50. 40	700	10. 30	43. 30
11. 45	1. 45	800	4. 05	35. 40
12. 50	5. 00	900	7. 50	29. 20
13. 55	1. 00	1000	26. 15	10. 00
14. 00	6. 00	1100		
15. 05	1. 40	1200		
16. 30	4. 15	1300		
17. 10	1. 00	1400		
18. 10	41. 20	1500		
19. 30	7. 00	1600		
20. 10	37. 00	1700		
21. 10	36. 50	1800		
22. 30	24. 50	1900		
1. 31. 30	1. 29. 20	2000		
		2100		
		2200		
		2300		
		2400		

33° 00' 50" N. 120° 45' 20" W.

	2500
	2600
	2700
	2800
2900	2900
3000	3000
3100	3100
3200	3200
3300	3300
3400	3400
3500	3500
3600	3600
3700	3700
3800	3800
3900	3900
4000	4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

REMARKS:
Steaming 4³⁰ to 5¹⁵ pm.
Dropped anchor 5¹⁵ to 6¹⁵ pm.
Steaming 6¹⁵ to 7⁴⁵ pm. Light, 3 hours.
1 1/2 to 6' South of anchor, 1/2 pm.

		2500	
		2600	
		2700	
		2800	
	2900	2900	
		3000	
		3100	
	3200	3200	
	3300	3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 23, 439 Date

Machine. Reel.

Turns 1909 Cor. + 12.4 Depth 211.9

Shot or lead 60 lbs

Bottom sp. gy. m.

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.02.00	6.49.50	0	7.54.40	10.00.00
9.10.00	6.56.00	100	55.45	5.00
10.00.00	6.57.00	200	5.02.00	10.41
11.00.00	6.58.00	300	5.05.00	12.26.00
12.00.00	6.59.00	400	5.08.00	13.20.00
13.00.00	6.59.45	500	5.10.40	13.30.00
14.00.00	6.59.50	600	5.12.00	13.40.00
6.15.20	6.49.50	700	20.10	
6.16.30	6.48.50	800	23.20	
6.17.40	6.47.50	900	27.00	
6.19.00	6.46.45	1000	30.40	
6.20.10	6.45.30	1100	36.00	
6.21.20	6.44.15	1200	40.40	
6.22.30	6.43.00	1300	45.20	
6.23.40	6.41.40	1400	49.00	
6.24.50	6.40.20	1500	52.10	
6.26.00	6.39.00	1600	55.40	
6.27.10	6.37.40	1700	58.40	
6.28.20	6.36.20	1800	6.00.00	
6.29.30	6.35.00	1900	06.40	
6.30.40	6.33.40	2000	10.00	
6.31.50	6.32.20	2100	16.10	
6.33.00	6.31.00	2200	19.30	
6.34.10	6.29.40	2300	22.00	
6.35.20	6.28.20	2400	25.12	

Bottom

32° 54' 14" N. 121° 11' 15" W.
 121° 11' 15" W.

	2500	30.30	30.30
	2600	30.40	30.30
	2700	31.10	17.00
SW	2800	31.20	10.12.00
	2900		
	3000	32.00	
	3100	32.00	
	3200	32.00	
	3300	32.00	
	3400		
Temperature at	3500		
Set water at 12.15	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	***	B. at 100	11.4.5.00	30.10"
100		Therm. att.	61°	
200		Wind N.W.	force 5	
300				
400				
500	Put a quantity of 2 parts of 21 th - 200 lbs. from beam, 100 lbs. down back (upper side) of net and pull back the rope at end of guide, for purpose of strong power if down from net.			
600				
700				
800				
900				
1000				

REMARKS:

No. *7* Date *Mar 20 1880*
Sigsbee Machine. Reel. *1*
 Turns *2120* Cor. + *129* Depth *2259*
 Shot or lead *60 lbs.*
 Bottom *gy. s. m.*
 Bottom temperature *—*
 No. of thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *54* Surface *54* Drift *—*
 Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10 45.30	45.40	0		
45.50	45.40	100		
46.30	45.30	200		
47.00	45.10	300		
47.30	45.10	400		
48.00	45.10	500		
48.30	45.10	600		
49.00	45.10	700		
49.30	45.10	800		
50.00	45.10	900		
50.30	45.10	1000		
51.00	45.10	1100		
51.30	45.10	1200		
52.00	45.10	1300		
52.30	45.10	1400		
53.00	45.10	1500		
53.30	45.10	1600		
54.00	45.10	1700		
54.30	45.10	1800		
55.00	45.10	1900		
55.30	45.10	2000		
56.00	45.10	2100		
56.30	45.10	2200		
57.00	45.10	2300		
57.30	45.10	2400		

3853	1167	2500	
2130	32	2600	
1726	127	2700	
	213	2800	
	2259	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *101* Date *Mar 10 1880*Sigsbee Machine. Reel. *Hand* TypeTurns Cor. + Depth *2259*Shot or lead *35*~~Bottom~~Bottom temperature at *1010* f. *37.9*No. of thermometer *98242* Cor.Corrected temperature *(Wast)*Air Surface Drift *4.0'*Trawl or dredge *Beam trawl*

SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

TURNS.

DOWN.

UP.

*10 00**3. 45. 40*

0

*1. 24. 00**1. 24. 00**10 30**44. 30*

100

*8. 30**49. 50**11 00**3. 30*

200

*31. 30**46. 40**11 30**2. 30*

300

*3. 30**43. 30**12 00**41. 30*

400

*5. 30**40. 30**12 30**40. 10*

500

*7. 30**36. 40**13 00**8. 50*

600

*10. 00**32. 40**13 30**7. 10*

700

*2. 30**29. 45**14 00**35. 00*

800

*4. 30**26. 30**14 30**33. 00*

900

*6. 00**23. 20**15 00**3. 22. 15**938*
1000*7. 30**20. 30**15 30*

1100

*8. 20**17. 10**16 00**Sent down to*

1200

*9. 20**13. 40**16 30**1010*

1300

*50. 35**10. 00**17 00**got temperature*

1400

*1. 40**06. 30**17 30*

1500

*1. 2. 50**12. 10**18 00*

1600

*1. 52. 30**17. 40**18 30*

1700

*2. 12. 10**25. 10**19 00*

1800

*14. 10. 30**52. 45**19 30*

1900

*15. 35. 30**47. 00**20 00*

2000

*17. 00**42. 20**20 30*

2100

*18. 10**42**21 00*

2200

*19. 30**35**21 30*

2300

*20. 45**32**22 00*

2400

*2. 15**26*

20.5 19° N, 121° 15' 00" W.

100"
 Cruise S. 7. 1.
 Bar 30.10.
 Therm 61.
 Wind N.W.
 Force 5-6

	Down	Up
2500	2. 25. 10	3. 20. 00
2600	2. 28. 10	3. 18. 00
2700	2. 30. 40	3. 16. 00
2800	2. 32. 00	3. 14. 00
2900	32	32
3000	Time	Time
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
3.14 25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	37.9			
1010				

REMARKS:

One bottle stop working. ✓

No. *1924* Date *Apr 1905*
Sigsbee Machine. Reel. *Navy Type #1*
 Turns *1924* Cor. + *121* Depth *2045 fms*
 Shot or lead *60 lb.*

Bottom *bluish M.*

Bottom temperature

No. of thermometer *none* used Cor.

Corrected temperature

Air *55°* Surface *58°* Drift *3.5'*

Trawl or dredge *5 1/2' Blake*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
05.30	6 51.10	0	7 20.00	
6 16.30	50.15	100	24.00	
6 17.30	49.20	200	26.20	50.40
08.30	8 40	300	28.40	47.30
09.20	7 50	400	31.00	44.00
10.30	6 45	500	33.30	40.30
11.30	5 40	600	5.50	37.30
2.30	4 40	700	8.00	34.30
3.40	3 40	800	10.00	31.30
4.50	2 30	900	1.30	27.30
16.00	1.30	1000	2.50	24.30
17.00	40.20	1100	4.10	21.30
18.15	9.00	1200	5.30	18.30
19.20	7.45	1300	6.50	12.00
20.35	6.35	1400	7.10	07.30
21.50	5.20	1500	8.30	03.40
23.00	34.00	1600	7 50.00	00.00
24.45	32.30	1700	1.10	55.30
26.25	31.10	1800	2.50	52.00
28.05	30.00	1900	54.20	46.30
6 28.30	6 28.50	1924	56.00	43.00
		2000	58.00	39.00
		2100	8.00.50	34.30
		2200	03.45	30.00
		2300	3.05.45	0.15.00
		2400		

33° 51' 35" N. 120° 24' 30" W.

<p>nk 5-507 Cane S.W. Bar. 30.15 " Therm. at 60° Wind N.W. Sea 5 B. 20 1030 1951</p>	<p>162 41 1721 1974 5005</p>	2500	8.09.30	8.10.30
		2600	17.50	17.50
		2630		8.12.50
		2700		
		2800	40 min	
		2900	20 min vessel out	
		3000	20 min after engine	
		3100	20 min vessel out	
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lost the plastic frame of weights.

No. *E. 4395* Date *31 Mar. 1894*Sigsbee Machine. Reel. *Wray & Co.*Turns *2100* Cor. + *128* Depth *2228 fms.*Shot or lead *60 lb*Bottom *redish fl.* *cup in bed.*Bottom temperature *35.2*No. of thermometer *98242* Cor.

Corrected temperature

Air *57°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.00.00</i>	<i>11.00.00</i>	0		
<i>11.00.15</i>	<i>11.00.15</i>	100		
<i>11.00.30</i>	<i>11.00.30</i>	200		
<i>11.00.45</i>	<i>11.00.45</i>	300		
<i>11.01.00</i>	<i>11.01.00</i>	400		
<i>11.01.15</i>	<i>11.01.15</i>	500		
<i>11.01.30</i>	<i>11.01.30</i>	600		
<i>11.01.45</i>	<i>11.01.45</i>	700		
<i>11.02.00</i>	<i>11.02.00</i>	800		
<i>11.02.15</i>	<i>11.02.15</i>	900		
<i>11.02.30</i>	<i>11.02.30</i>	1000		
<i>11.02.45</i>	<i>11.02.45</i>	1100		
<i>11.03.00</i>	<i>11.03.00</i>	1200		
<i>11.03.15</i>	<i>11.03.15</i>	1300		
<i>11.03.30</i>	<i>11.03.30</i>	1400		
<i>11.03.45</i>	<i>11.03.45</i>	1500		
<i>11.04.00</i>	<i>11.04.00</i>	1600		
<i>11.04.15</i>	<i>11.04.15</i>	1700		
<i>11.04.30</i>	<i>11.04.30</i>	1800		
<i>11.04.45</i>	<i>11.04.45</i>	1900		
<i>11.05.00</i>	<i>11.05.00</i>	2000		
<i>11.05.15</i>	<i>11.05.15</i>	2100		
		2200		
		2300		
		2400		

2050	167	2500	
2100	30	2600	
1750	179	2700	
1500	510	2800	
1250	7228	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Large English happened in tow at 11.40

21. 10. 1911
Amik

No. 11 Date 11. 10. 1911

Sigsbee Machine. Reel. No. 1

Turns 100 Cor. + 10 Depth 110

Shot or lead Same as terminal of 4295

Bottom 2395

Bottom temperature 12.5

No. of thermometer 113 Cor.

Corrected temperature 11.3

Air Surface Drift 10.0

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Ko'ik, 8mlace		0	1. 05. 30	5. 41. 00
towing from 1/2 oz boom		100	10. 00	11. 10
5. 42. 00 — 5. 52. 00		200	21. 00	12. 10
= 10 min.		300	31. 00	13. 10
5. 54. 00 — 6. 04. 00		400	41. 00	14. 10
= 10 min.		500	51. 00	15. 10
6. 06. 00 — 6. 16. 00		600	61. 00	16. 10
= 10 min.		700	71. 00	17. 10
4) out at 6. 18		800	81. 40	18. 10
in at 6. 28 } = 10 min.		900	91. 40	19. 10
5) out at 6. 32		1000	101. 40	20. 10
in at 6. 42		1100	111. 40	21. 10
6) out at 6. 44		1200	121. 40	22. 10
in at 6. 54		1300	131. 40	23. 10
7) out at 7. 04		1400	141. 40	24. 10
in at 7. 14		1500	151. 40	25. 10
8) out at 7. 17		1600	161. 40	26. 10
in at 7. 28. 30 } = 10 min.		1700	171. 40	27. 10
9) out at 7. 30		1800	181. 40	28. 10
in at 7. 40. 00 } = 10 min.		1900	191. 40	29. 10
10) out at 7. 48. 00		2000	201. 40	30. 10
in at 7. 50		2100	211. 40	31. 10
11) out at 8. 00		2200	221. 40	32. 10
in at 8. 12 } = 10 min.		2300	231. 40	33. 10
12) 8. 02 — 8. 12		2400	241. 40	34. 10
13) 8. 15 — 8. 25			251. 40	35. 10
14) 8. 28 — 8. 39			261. 40	36. 10
15) 8. 40 — 8. 50			271. 40	37. 10
— Finis —				

33° 01' 35" N. 121° 32' 00" W.

			<u>Down</u>	
		2500	2.27.00	
		2600		
		2700	31.00	
at 61°		2750	2.33.15	2. 54.0-0
Bottom Sea		2800		
from NW		2900	Rising	
Chas. water		3000	sp. of 324	
gull station		3100	pr 100 fm	
		3200	lin	104
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	81	Ant. in incubator		
50				
100				
200				
300	101	Cl. 1/2 in. to 1 in.		
400				
500				
600	141	from this on there was no light		
700		in the Kodak		
800				
900	Weather clear, while towing Kodak.			
1000	Fair, full moon.			

Bar. 30.19
 Therm. 58°
 Remarks: gentle breeze from N.W.
 10 miles, N.W.

No. 4377

Date May 1

Machine. Reel.

Turns Cor. + Depth

Shot or lead 60 lbs.

Bottom gm m

Bottom temperature

No. of thermometer 98242 Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	AM DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.00	6.50	0	7.16	11.40
6.00	6.00	100	9.00	10.30
07.00	5.10	200	22.50	24.34
8.00	4.20	300	6.10	23.39
9.00	3.25	400	9.15	19.26
10.00	2.30	500	32.00	15.26
11.00	1.40	600	5.05	11.14
2.15	50.40	700	8.00	04.08
3.25	9.35	800	41.30	11.03.02
4.35	8.22	900	5.00	58.56
5.45	7.00	1000	8.10	50.00
17.40	6.05	1100	51.10	6.40
6.00	4.45	1200	4.00	47.30
7.00	3.23	1300	0.00	40.00
20.15	1.58	1400	9.20	31.10
1.00	0.30	1500	7.02.30	22.00
2.00	0.05	1600	05.30	17.30
3.00	0.00	1700	03.30	13.00
4.00	0.00	1800	11.30	10.00
5.00	0.00	1900	14.00	07.00
6.00	0.00	2000	16.15	04.00
7.00	0.00	2100	19.30	10.00.10
8.00	0.00	2200	22.00	06.00
9.00	0.00	2300	25.00	50.00
10.00	0.00	2400	28.10	43.50

33° 10' 15" N. 121° 42' 15" W.

	2500	32.00
	2600	32.00
	2700	32.00
	2800	32.00
	2900	32.00
	3000	32.00
	3100	32.00
	3200	32.00
	3300	32.00
	3400	32.00
	3500	32.00
	3600	32.00
	3700	32.00
	3800	32.00
	3900	32.00
	4000	32.00

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100		1130		
200	in at	1133		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1120* Date *July 1, 1881*
 Machine. Reel. *1*
 Turns *1120* Cor. + *11* Depth *1131*
 Shot or lead *60 lbs.*
 Bottom *gy. m.*
 Bottom temperature *7*
 No. of thermometer Cor. *0*
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.38.30	27.30	0		
39.35	26.50	100		
40.35	26.10	200		
41.35	25.10	300		
42.10	24.20	400		
43.05	23.20	500		
44.00	22.20	600		
45.00	21.20	700		
46.00	20.10	800		
47.00	19.00	900		
48.00	17.40	1000		
49.00	16.30	1100		
50.10	15.05	1200		
51.15	13.35	1300		
52.20	12.00	1400		
53.30	10.30	1500		
54.40	09.10	1600		
55.50	07.50	1700		
57.05	06.30	1800		
58.20	05.00	1900		
59.35	03.30	2000		
11.00.40	11.01.40	2100		
		2200		
		2300		
		2400		

2000	16.2	2500	
2100	5.4	2600	
1700	12.8	2700	
1000	10.0	2800	
500	22.28	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4296*Date *June 1*

Machine.

Reel. *N 7 1*Turns *514* Cor. + *46*Depth *560*Shot or lead *36 lbs*Bottom *gn M & R*

Bottom temperature

No. of thermometer *101* Cor.

Corrected temperature

Air *40* SurfaceDrift *2.0'*Trawl or dredge *4' beam trawl*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*1. 25 10 1. 11.00**0**1. 11.00 3. 13.00**25 9.30**100**11.40 9.00**35 8.30**200**11.50 6.10**45 7.30**300**51.30 3.15**30.00 6.30**400**54.30 3.00.30**1. 10 5.30**500**1. 57.15 2 57.30**2. 15 1. 34.30**600**9.45 4.10**4 1. 4**700**2 0.20 50.00**1.37 rag-fan bottom**800**1. 1. 42.00**1. 57.30**900**2 19.10 2. 30.20**20 minutes by order of**1000**at 2. 10.00**1100**at 2. 30**1200**20 minutes by order of**1300**at 2. 30**1400**at 2. 30**1500**at 2. 30**1600**at 2. 30**1700**at 2. 30**1800**at 2. 30**1900**at 2. 30**2000**at 2. 30**2100**at 2. 30**2200**at 2. 30**2300**at 2. 30**2400*

32° 43' 20" N. 117° 42' 10" W.

July 19, 1900

115 W

"6 29, 50"

60"

115.00

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

3.150

3.150

3.276

1.2

1.1

4

2.2

6.2

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

171. 4. 5

No. *4803*. Date *Jan 7*

Machine. Reel. *1*

Turns *142* Cor. + *11* Depth *154 fms.*

Shot or lead *36#*

Bottom *fine gy. S. bk. Sp. rky.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *63°* Surface *62°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.45.20</i>	<i>2.55.15</i>	0		
<i>47.30</i>	<i>49.20</i>	100		
<i>3.48.00</i>	<i>3.48.55</i>	<i>142</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

32° 44' 50" N. 117° 40' 48" W.

		2500	
		2600	
		2700	
		2800	
3850 - 162		2900	
143		3000	
3707	11	3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *1000* Date *Feb. 7, 1904*
Sigsbee Machine. Reel. *1000*
 Turns *227* Cor. + *18* Depth *245 fms*
 Shot or lead *36*
 Bottom *fine gy. S. G.*
 Bottom temperature *—*
 No. of thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *63°* Surface *62°* Drift *0.67° N*
 Trawl or dredge *8 Tanner with*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.08.15</i>	<i>4.18.45</i>	0	<i>4.17.00</i>	<i>5.01.00</i>
<i>09.15</i>	<i>12.45</i>	100	<i>21.00</i>	<i>5.02.00</i>
<i>10.15</i>	<i>11.45</i>	200	<i>24.45</i>	<i>5.03.00</i>
<i>4.10.30</i>	<i>4.11.30</i>	<i>227</i>	<i>27.00</i>	<i>5.04.00</i>
		400	<i>4.32.00</i>	<i>4.51.00</i>
<i>Surf. Net,</i>		500		
<i>Spd. 1.6 kts.</i>		600	<i>14 min.</i>	
<i>1) 4.18.15</i>	<i>4.33=15</i>	700		
<i>2) 4.37.15</i>	<i>4.46=9</i>	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
<i>4.30 - 264</i>		1800		
<i>4.37 - 272</i>		1900		
<i>4.44 - 280</i>		2000		
		2100		
		2200		
		2300		
		2400		

32° 44' 50" N. 117° 49' 05" W.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
Course,		3100	Lat. Long.
Fair ci 2, logg.		3200	
Lt. buoy from line		3300	
Bar. 29.87		3400	
Therm. at 6 ft.		3500	
Smooth sea, by gauge		3600	
Few guano, 1st		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
3) 50	5.38	5.5		
100	5.56	6.0		
200	6.15	6.25		
300	6.30	6.35		
400	6.47	6.4		
500	7.00	7.0		
600	7.25	7.2		
700	7.50	7.5		
800				
900				
1000				

REMARKS:

No. *22* Date *8 Feb 1902*
Sigsbee Machine. Reel. *1* / *1* / *1*
 Turns *463* Cor. + *37* Depth *500 fms.*

Shot or lead *36 lb*

Bottom *gn. M.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *58°* Surface *61°* Drift

Trawl or dredge *8' Tr., usual weights, + preserved*

Am. SOUNDING WIRE.

Am. DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>7.40.00</i>	<i>10.40</i>	0	<i>7.40.00</i>	<i>10.40</i>
<i>10.40</i>	<i>34.5</i>	100	<i>44.00</i>	<i>06.40</i>
<i>37.40</i>	<i>39.00</i>	200	<i>45.15</i>	<i>9.00.00</i>
<i>28.40</i>	<i>32.10</i>	300	<i>50.30</i>	<i>58.00</i>
<i>29.40</i>	<i>24.15</i>	400	<i>53.15</i>	<i>54.00</i>
<i>29.40</i>	<i>22.10</i>	500	<i>56.20</i>	<i>50.00</i>
		600	<i>8.00.00</i>	<i>45.30</i>
		700	<i>03.20</i>	<i>41.00</i>
		800	<i>04.40</i>	<i>8.37.00</i>
		900	<i>time out 32 m 20 sec</i>	
		1000	<i>haul</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

33° 50' 25" N. 118° 03' 30" W.

		2500	
3850	162	2600	
463	125	2700	
3387	37	2800	
	463	2900	
	10	3000	
Course,		3100	
Overcast, misty, foggy		3200	
Variable lt. airs.		3300	
Smooth sea.		3400	
Bar. 29.98		3500	
Therm. W. 62.4		3600	
One percent		3700	
		3800	
Planting Mass Kelp		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *E 443* Date *April 8*Machine. Reel. *NT 1*Turns *469* Cor. + *38* Depth *507*~~Shot or lead~~ *36 lbs*Bottom *gy. M.*Bottom temperature *40.2°*No. of thermometer *98242* Cor.

Corrected temperature

Air *52°* Surface *60°* Drift

Trawl or dredge

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8. 43. 45	8. 57. 00	0
4. 50	5. 50	100
5. 45	4. 50	200
6. 40	3. 20	300
7. 45	2. 20	400
48. 30	8. 51. 30	500

*469 turns**8. 54 rag caught in*

34.0	16.5	2500	
40		2600	
58.81	38	2700	
		2800	
5.11	207	2900	
29.9" Bar		3000	
60.5° In alt		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

L.M.

No. *Dr-4401* Date *April 14, 1904**Sigsbee* Machine. Reel. *N. 1*Turns *35* Cor. + *35* Depth *40*Shot or lead *36 lb.*Bottom *gy. M. s. & sh.*Bottom temperature *40°*No. of thermometer *98, 242* Cor.

Corrected temperature

Air *67* Surface *67* DriftTrawl or dredge *5' beam trawl*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*10 10 10**31 10**32 10**33 10**34 10**35 10**36 10**37 10**38 10**39 10**40 10*

32° 52' 40" N. 118° 13' 40" W.

432	157	2500	
317	20	2600	
	100	2700	
	458	2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E 4437 Date 11. 11. 11
 Machine. Reel. W. J. N. 1.
 Turns 415 Cor. + 33 Depth 448

Shot or lead

Bottom

Bottom temperature

No. of thermometer No. 24 Cor.

Corrected temperature

Air 67 Surface 67 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11 30</u>	<u>33 48</u>	0		
<u>31</u>	<u>33 48</u>	100		
<u>31 45</u>	<u>33 48</u>	200		
<u>32 30</u>	<u>33 48</u>	300		
<u>33 15</u>	<u>33 48</u>	400		
<u>34 00</u>	<u>33 48</u>	<u>415</u> 500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.17.10	1.20.10	0	1.25.5	2.32.40
18.25	20.10	100	—	52.20
19.00	22.15	200	32.30	49.40
20.00	23.20	300	—	45.00
21.00	24.5	400	38.20	2.41.10
22.00		500	41.10	—
1.22.05	1.25.00	520	44.10	—
		600	45.30	—
		700	—	—
		800	1.51.30	2.92.00
		900	—	30 min.
		1000	—	
		1100		
		1200	Over-Right haul.	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

X.E. 04, San Clemente - N. 140° W., 5 1/2' N

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
Canoe, N.E. 1/4	3300	at San Clemente
Five, 1/2 mile on	3400	at San Clemente
Let. deep from	3500	at San Clemente
South Sea.	3600	at San Clemente
Bar. 29.98	3700	at San Clemente
1. 1/2 mile on	3800	at San Clemente
2. 1/2 mile on	3900	at San Clemente
	4000	at San Clemente

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr. 4403*. Date *8 Dec. 1904*.

Sigsbee Machine. Reel.

Turns *555* Cor. + Depth *555 fms.*

Shot or lead *36 lb.*

Bottom *gn. s.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *61°* Surface *62°* Drift *2 5/10'*

Trawl or dredge *9' Tanner, beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.25.55</i>	<i>2.39.10</i>		<i>2.04.40</i>	<i>1.47.00</i>
<i>26.40</i>	<i>38.00</i>	100	<i>09.10</i>	<i>14.00</i>
<i>27.40</i>	<i>37.00</i>	200	<i>12.45</i>	<i>10.00</i>
<i>28.25</i>	<i>35.35</i>	300	<i>16.00</i>	<i>36.30</i>
<i>29.20</i>	<i>34.20</i>	400	<i>19.40</i>	<i>33.00</i>
<i>30.20</i>	<i>33.00</i>	500	<i>21.45</i>	<i>30.00</i>
<i>2.30.55</i>	<i>2.32.00</i>	<i>555</i>	<i>25.00</i>	<i>24.00</i>
		600	<i>28.05</i>	<i>19.00</i>
		700	<i>31.05</i>	<i>16.00</i>
		800	<i>2.37.20</i>	<i>13.00</i>
		900	<i>2.40.20</i>	<i>10.00</i>
		1000	<i>2.43.20</i>	<i>07.00</i>
		1100	<i>2.46.20</i>	<i>04.00</i>
		1200	<i>2.49.20</i>	<i>01.00</i>
		1300	<i>2.52.20</i>	<i>00.00</i>
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dr. S. C. ... N 68° 20' 70" S 1/10'.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
Canoe, 715 ft	3100	
Fair, misty;	3200	
Lat. 61° 50' N. 1. N.	3300	
Small boat.	3400	
Bar. 29.2	3500	
Therm. at 64.5	3600	
No visible animal life.	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *F. 4403* Date *April 8 '04*
Sigsbee Machine. Reel. *N. T. #1*
 Turns *630* Cor. + *28* Depth *658*
 Shot or lead *35 lb.*
 Bottom *bk. G. R. S.*
 Bottom temperature *—*
 No. of thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *65°* Surface *63°* Drift *—*
 Trawl or dredge *—*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12. 11. 14. 14. 14.

0

100

12. 20. 21. 200*13. 30. 32.* 300*14. 40. 42. 19. 20.* 400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

U.S.S. 29.94 "

T. 12.1

Fair, light breeze

4.35 S. 4.35 S. S.W.

Sea smooth

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Anchorage, Wilson Cove, San Clemente

No. 4404. Date 8 Feb. 1904

Machine. Reel.

Turns Cor. + Depth 15 fms.

Shot or lead *hand*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7 <i>30 fms</i>		0		
3 <i>Shot or lead</i>		100	<i>set in help about</i>	
2 <i>Gill nets</i>		200	<i>Set from beach at</i>	
		300	<i>from shore & round</i>	
		400	<i>to it in a line</i>	
		500	<i>plus 100 to</i>	
		600	<i>help getting</i>	
		700	<i>retrieved by</i>	
		800	<i>retrieved by</i>	
		900	<i>hauled out</i>	
		1000	<i>230 fms</i>	
		1100	<i>on 5th of</i>	
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St. Albans Co., Vermont 1892

CS. 1100-

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 0.8

No. 135. 4405 Date 9. April. 1904.

Sigsbee Machine. Reel.

Turns 606 Cor. + 27 Depth 634 fms.

Shot or lead 36 lb

Bottom gy. M.

Bottom temperature 39.4°

No. of thermometer 98242. Cor.

Corrected temperature

Air 56° Surface 57° Drift 2.0

Trawl or dredge 9' 2' 9' 2' 9' 2'

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1. 16.25	1. 54.10	0	7. 51.00	9. 00.00
1. 20.00	55.40	100	7. 54.00	9. 22.10
1. 22.15	56.45	200	7. 57.00	9. 18.10
1. 25.10	57.40	300	8. 00.00	9. 14.30
1. 28.00	58.25	400	8. 02.30	9. 11.10
1. 30.00	59.05	500	8. 05.10	9. 07.00
1. 32.00	59.55	600	8. 08.20	9. 02.00
1. 34.15	60.40	700	8. 12.30	8. 57.30
		800	8. 13.20	8. 51.50
		900	8. 16.30	8. 46.00
		1000	8. 19.20	8. 40.00
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16 H. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Course, N. N. E.

— Sounding.

Calm, and U. airs, to light NW.

Smooth sea.

Bar. 30.00

Therm. 60.0

Wind 0.0

Direction of wind

Force of wind

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

112
37.

No. 4405 Date April 9 - '04
Sigsbee Machine. Reel. NT #1
Turns 652 Cor. + 52 Depth 704 fms
Shot or lead 36 lbs
Bottom gn M
Bottom temperature
No. of thermometer not used Cor.
Corrected temperature
Air 56° Surface 60° Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8. 54. 00	9. 08. 10	0		
5. 10	7. 00	100		
6. 00	6. 50	200		
6. 45	5. 10	300		
7. 30	4. 05	400		
8. 25	03. 00	500		
9. 15	02. 15	600		
9. 40. 00	9. 01. 30	700		
		800		
		900		
		1000		
		1100		
	7. 26	1200		
	00. 8	1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4406* Date *April 9 - 1914*
Sigsbee Machine. Reel. *N.T. 1*
 Turns *602* Cor. + *48* Depth *650 fms*
 Shot or lead *36 lbs*
 Bottom *gn M*
 Bottom temperature
 No. of thermometer *1000* Cor.
 Corrected temperature
 Air *60* Surface *59* Drift *(N 37° E 2 1/2 mi)*
 Trawl or dredge *10' 1/2*

SOUNDING WIRE.		TURNS.	am DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 35. 45	11. 41. 30	0	10. 38. 00	12. 07. 15
39. 40	11. 10	100	42. 30	03. 50
	7. 25	200	5. 40	12. 00. 15
	6. 10	300	8. 25	57. 40
	7. 00	400	51. 45	54. 15
	8. 00	500	5. 30	50. 40
	9. 00	600	6. 30	7. 15
10. 15	10. 15. 30	700	11. 01. 00	43. 45
		800	11. 07. 00	11. 24. 00
		900		
		1000		
		1100		
		1200		
		1300	The ship's line of after travel became when hauled up.	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
1' <i>NE</i>	2800	
<i>Bar 30.07"</i>	2900	
<i>Th. alt. 51.5°</i>	3000	
<i>Wind W, 1-2-3.</i>	3100	
<i>Joggy</i>	3200	
<i>No. life ins.</i>	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *L. 1107* Date *9 Feb.*
Sigsbee Machine. Reel. *1000 ft.*
 Turns *12* Cor. + *12* Depth *24 fms.*
 Shot or lead *36 lb*
 Bottom *R. Sh. fm. S.*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature *(51.5)*
 Air *52* Surface *60* Drift *12/10'*
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.08.00</i>	<i>1.10.50</i>	0		
<i>1.08.25</i>	<i>1.10.05</i>	66		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

59. 6. 0. 1. 0. 98 N 100 30' E. 3 2/10'

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. (11107) Date 9 Feb. 1904.
Sigsbee Machine. Reel. Navy No. 1
Turns 310 Cor. + 24 Depth 334 fms.
Shot or lead 36 lb
Bottom gy S. R.
Bottom temperature
No. of thermometer Cor.
Corrected temperature
Air 57 Surface 63 Drift 1.2
Trawl or dredge

2 571

St. Catherine, N 19° 30' E, 52 ¹/₂

	2500	
	2600	
	2700	
	2800	
	2900	
Current	3000	
Drift, 1/2 mi	3100	
Depth 1/2 mi	3200	10.2
Drift, 1/2 mi	3300	
Bar. 30.	3400	
Therm. 26.66	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 18.0

No. *4408* Date *9 April 1904*Sigsbee Machine. Reel. *Kang*Turns *108* Cor. + *9* Depth *117 fms.*Shot or lead *36 lb*Bottom *gy S. rky*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *60* Surface *60* Drift *6/10'*Trawl or dredge *9' Tanner*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.28.15 *3.31.00**0**3.29.30* *4.09.00**3.29.10* *3.30.00**100**34.40* *4.04.30**108 150**3.37.00* *4.02.30**200**150**300**Time 25m 30 sec**Inter Sigs:**3.39* *— 112 fms.**400**3.47* *— 108 "**500**3.55* *— 108 "**600**4.01* *— 105 gy S**700**4.08* *— 104 gy S**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Large haul
of annelids
etc*

SE Pt, Sta Catalina Id, S 57° W, 2 ⁵/₁₀'.

Course, W. by N.

Clew over head, fog along shore
Gentle breeze from various pts.

Smooth sea

Bar. 29.95

Therm at. 66.6

Several gulls.

200

600 for

3 ft second

Ny 4798 } March 28 pm
Dr 4392 }

